

## SEVERE LOCAL STORMS, SEPTEMBER 1933

[Compiled by Mary O. Souder]

[The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the Annual Report of the Chief of Bureau]

Place	Date	Time	Width of path (yards)	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Northwestern Iowa, 4 extreme southeastern counties of South Dakota and 4 extreme southwestern counties of Minnesota.	1				\$322,000	Rain	Damage to highways, bridges, and railroads; loss to crops; livestock drowned; traffic demoralized; loss due to the suspension of business.	Official, U.S. Weather Bureau.
Chautauqua County, Kans.	1	3:15 p.m.	50		700	Tornado	Property damaged; path 5 miles long	Do.
Fairmont, Minn., vicinity of.	1	5:30 p.m.				Hail	Loss to corn and garden truck	Do.
Cabot, Ark.	1			3		Electrical	3 persons killed and 8 injured during storm	Do.
Key West, Fla.	1			3		Wind and tidal wave	Heavy seas washed over boulevard along south beach undermined the sea wall in several places; concrete drive along the breakwater protecting the submarine base at the navy yard was also undermined; motor boat with 3 Negroes aboard lost; minor damage by wind.	Do.
Forestburg, S.Dak.	2	9:30 p.m.				Tornado winds	Telephone and light poles blown down; haystacks and corn fodder blown away; small buildings in town and on nearby farms wrecked.	Do.
Martin County, Minn.	2	P.m.				Thunderstorm and hail	Considerable damage to growing crops.	Do.
Lake Okeechobee-Cedar Keys, Fla.	3-4			2	1,000,000	Tropical disturbance and flood.	Communication lines down; a negro killed when his shack blew down; brakeman lost his life when the engine and 7 cars were derailed; citrus growers suffered large loss; part of Tampa under 9 feet of water; floods general over whole central section of State; breaking of dam of Tampa Electric Co., 3 miles northeast of Tampa, caused considerable property loss; much damage to crops reported.	Do.
Texas, coast region.	3-5			24	16,900,000	Hurricane with abnormal tides.	Cameron County suffered most; buildings wrecked; fruit trees and crops devastated; tide havoc over vast area.	Do.
Dubuque, Iowa	4					Wind	Telephone, electric and power lines down; corn flattened and much produce destroyed; buildings damaged.	Do.
Grant County, Wis.	4				2,000	do.	Electric and telephone poles blown down; barn and farm buildings damaged; trees uprooted.	Do.
Charleston, S.C.	6	7:30 a.m.			10,000	Tornado and heavy rain.	Property damaged	Do.
Fifield, Wis., and vicinity.	8				3,500	Wind and hail	2 persons injured by hail	Do.
Nantucket, Mass.	9	3:10-5 a.m.				Thunderstorm	Barn struck by lightning and destroyed	Do.
Tijeras Canyon Ranger Station, near, N.Mex.	9	4 p.m.	13		11,000	Rain and hail	Loss to crops and damage to roads; path 6 miles long.	Do.
Chouteau County, Mont.	9	7:30-9 p.m.	15-14		10,000	Wind, rain, and hail	Loss to property; considerable wild game and poultry killed.	Do.
Colorado Springs, Denver, Colo., and vicinity.	9			5	30,000	Excessive rains and flood.	Basements of warehouses, stores and dwellings flooded; hundreds of acres of rich truck lands in the valley washed out or covered with mud; many bridges washed out; \$30,000 estimated damage to highway between Colorado Springs and Denver only.	Do.
Fort Thompson, S.Dak.	10	3 a.m.		8	25,000	Severe thunderstorm and excessive rain.	Damage mainly to highways and bridges by flood waters in creeks and streams; rainfall heaviest in many years; livestock drowned; crops in lowlands destroyed; houses and tents of Indians residing along creeks washed away by flood waters.	Do.
Forestburg, S.Dak.	10	P.m.				Tornado	Some damage reported	Do.
Lascar-Cedarwood, Colo.	11	do.				Rain and hail	Loss to crops; property damage	Do.
Iredell County, N.C.	13			1		Electrical	Wife of farmer killed by lightning in kitchen of her home; same bolt struck barn, killing cow and mule in opposite sides of barn.	Do.
Hidalgo County, N.Mex.	14	P.m.		1		Heavy rain	Number of cattle drowned	Do.
Omak, near, Wash.	14	do.				Hail	Much damage to apple crop	Do.
New Haven, Conn.	14-15					Wind	Tail of West Indian hurricane; damage to wires and trees.	Do.
Pipestone, Minn., vicinity of.	15				10,000	do.	Property damage and crop loss	Do.
North Carolina, extreme eastern portion.	15-16			21	4,500,000	Hurricane	1,000 persons homeless; telephone and telegraph lines carried away; highways and bridges washed out; scores of houses destroyed; hundreds of livestock drowned; great damage to unharvested crops; more cotton destroyed than by the President's plan of plowing it under.	Do.
Tidewater, Va.	15-16				250,000	do.	Storm tide flooded business section; rowboats and rafts used for transportation; traffic tied up all day; steamer service to bay discontinued; shipping in Hampton Roads at standstill.	Do.
Provincetown-Nantucket, Mass.	17					Rain and gale	Storm of marked intensity; considerable damage to water front; all shipping tied up.	Do.
Block Island, R.I.	17					Wind	2 yachts damaged; another sunk in shallow water; large shed blown down; sea rough.	Do.
Scott City, near, Kans.	18	4 p.m.	200		1,000	do.	Damage to windows, awnings and trees; storm attained tornadic violence.	Do.
Minnesota, Minn., vicinity of.	18	P.m.			18,000	do.	Several barns demolished; trees uprooted; loss to crops.	Do.
Butte, Mont.	18			1		Electrical	Man killed, another injured by lightning.	Do.
Oconto, Wis.	19	3 a.m.			5,000	do.	Lightning caused fire which damaged lines of Western Union Telegraph Co. and a North Western Railroad box car.	Do.
Northern Idaho County, Idaho.	21	6:30 p.m.				Hail	No damage reported; path estimated to be several miles wide and about 38 miles long.	Do.
Tipseo Lake Region, Wash. to Mont.	22					Snow and wind	18 inches of snow in Washington and 40 inches reported at Helena; snowplows used to clear the Naches Highway to Seattle; ripe fruit blown off trees.	Do.

1 Miles instead of yards.

## SEVERE LOCAL STORMS, SEPTEMBER 1933—Continued

Place	Date	Time	Width of path (yards)	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Warrenburg, Mo.	23					Electrical	Several buildings burned.	Official, U.S. Weather Bureau.
Chautauqua and Cattaraugus Counties, N.Y.	25			1		do.	Man killed by lightning.	
Cambridge, Wis.	25-26	P.m.			\$5,000	Tornado	Telephone and electric wires blown down; tobacco sheds demolished; trees blown down.	Do.
Wisconsin Rapids, near, Wis.	25-26				2,000	Wind	Barn wrecked and farmhouse damaged.	Do.
Bentonville, near, and Eureka Springs, near, Ark.	26				6,500	Electrical	Barn, general store, and contents destroyed.	Do.
Bloomington, Ill.	26				50,000	do.	Lightning struck an elevator causing the damage estimated.	Do.
Indianapolis, Ind.	26					Thunderstorm	Power wires, trees, houses, and barns damaged.	Do.
Naples, near, Ill.	30			3		Wind	Boat capsized on the Illinois River drowning 3 persons.	Do.

## SEVERE LOCAL STORMS, AUGUST 1933 (SUPPLEMENTARY TABLE)

[The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the Annual Report of the Chief of Bureau]

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Hamilton County, Kans.	11	4:30 p.m.	12		\$1,000	Heavy hail	Occurred short distance southeast of Syracuse; crops pounded into ground.	Official U.S. Weather Bureau.
Marshall County, Kans.	14	4-6 p.m.	11		800	do.	Damage to corn crop; path 15 miles long.	
Wabaunsee County, Kans.	16	6:30 p.m.	11		10,000	do.	Crop loss; path 5 miles long.	Do.
Stevens County, Kans.	19	5:30 - 5:45 p.m.	12-12		31,000	Heavy hail and wind.	Crops totally damaged; 50 hogs killed; path 25 miles long.	Do.
Stanton County, Kans.	19	P.m.	440		700	Tornado and hail	No details; path 3 miles long.	Do.
Harper and Sumner Counties, Kans.	20	3:30 p.m.	200		5,000	Tornado	Almost complete destruction at 2 farmsteads; path 1 mile long.	Do.
Belle Plaine and vicinity, Kans.	20	5-5:15 p.m.	14		80,000	Tornadoic winds and hail.	Wind approached tornadoic violence; path 6 miles long; no other details.	Do.
Norwich, Kans, 6 miles southeast.	26	4:30 p.m.	11		20,000	Tornado	Damage to farm property; path 9 miles long.	Do.

<sup>1</sup> Miles instead of yards.

